

THORpex (Hawaii 2003) field program planning and EOS objectives Univ. Wisconsin

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Hawaii-2003 ER-2 Deployment

Wisconsin EOS-related objectives

- Aqua MODIS L1B validation (clear sky)
 - multi-angle
 - warm and cold scenes
- Aqua MODIS Cloud product validation
 - Cloud heights (primarily cirrus)
 - Cloud particle phase (multi-layer, supercooled)
 - Cloud Mask validation (thin cirrus detection)
- Cloud overlap studies
- Ocean color (clear sky)

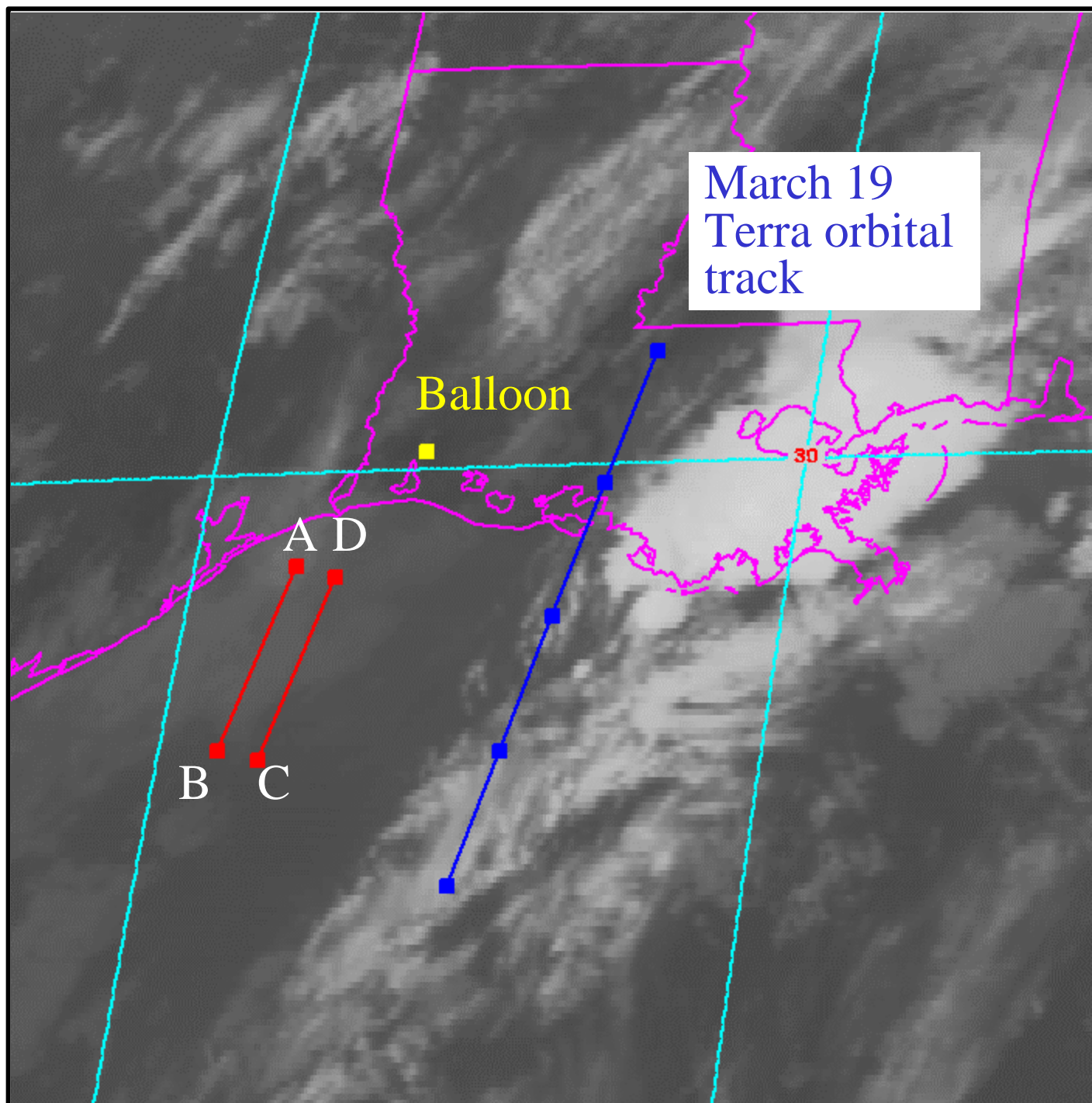
Hawaii-2003 ER-2 Deployment

Wisconsin EOS-related objectives

- Logistics to accomplish Wisconsin EOS objectives
 - Align ER-2 with Aqua orbital track
 - fly racetracks (L1B) or parallel lines (Clouds) with Aqua overhead
 - overfly MOBY buoy near Hawaii (ocean color)

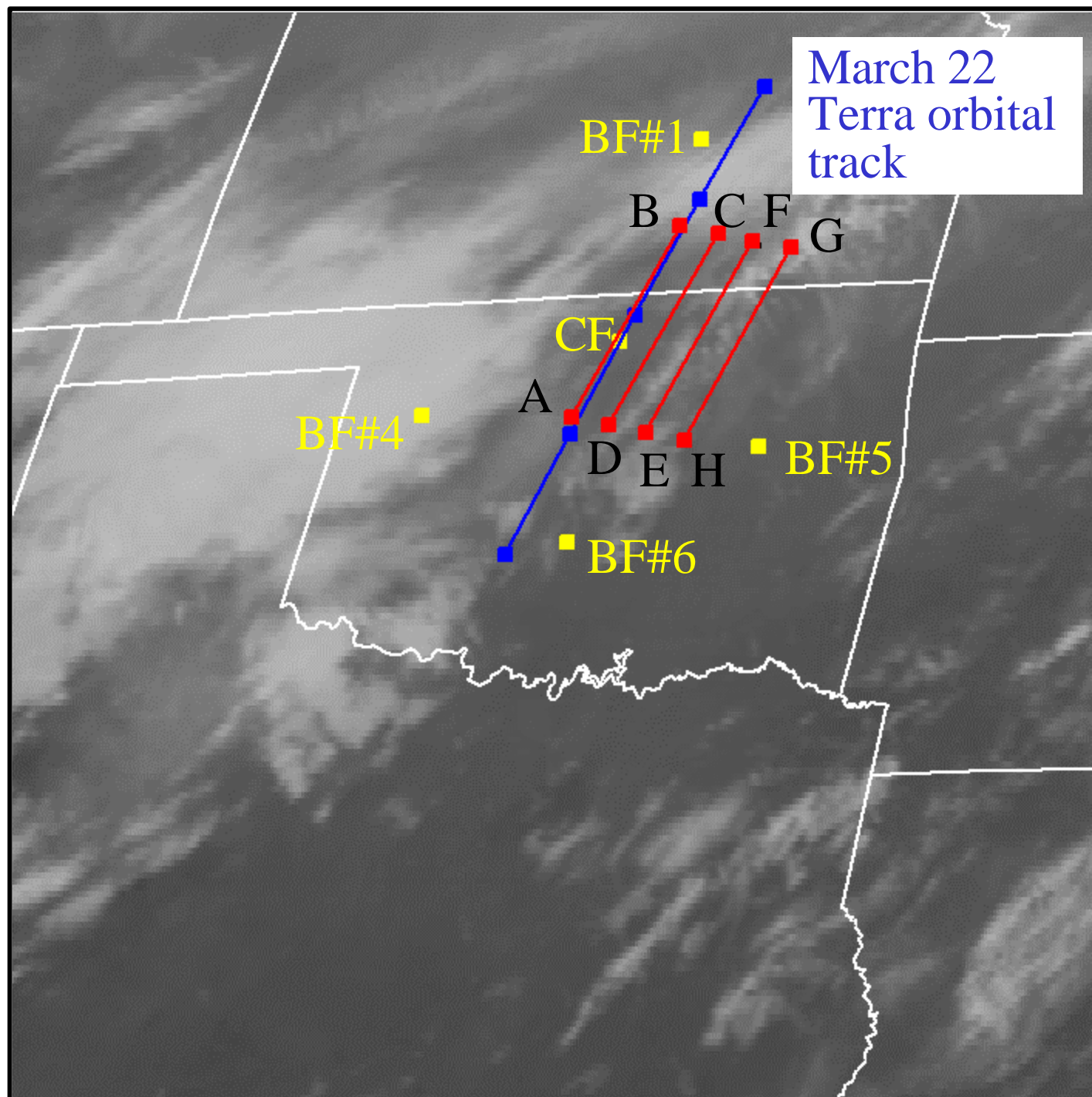
Strawman
ER-2 flight lines
for Gulf Mexico
MODIS Cal/Val
mission on
Mar 19, 2001

Flight Sequence:
A-B-C-D-
A-B-C-D

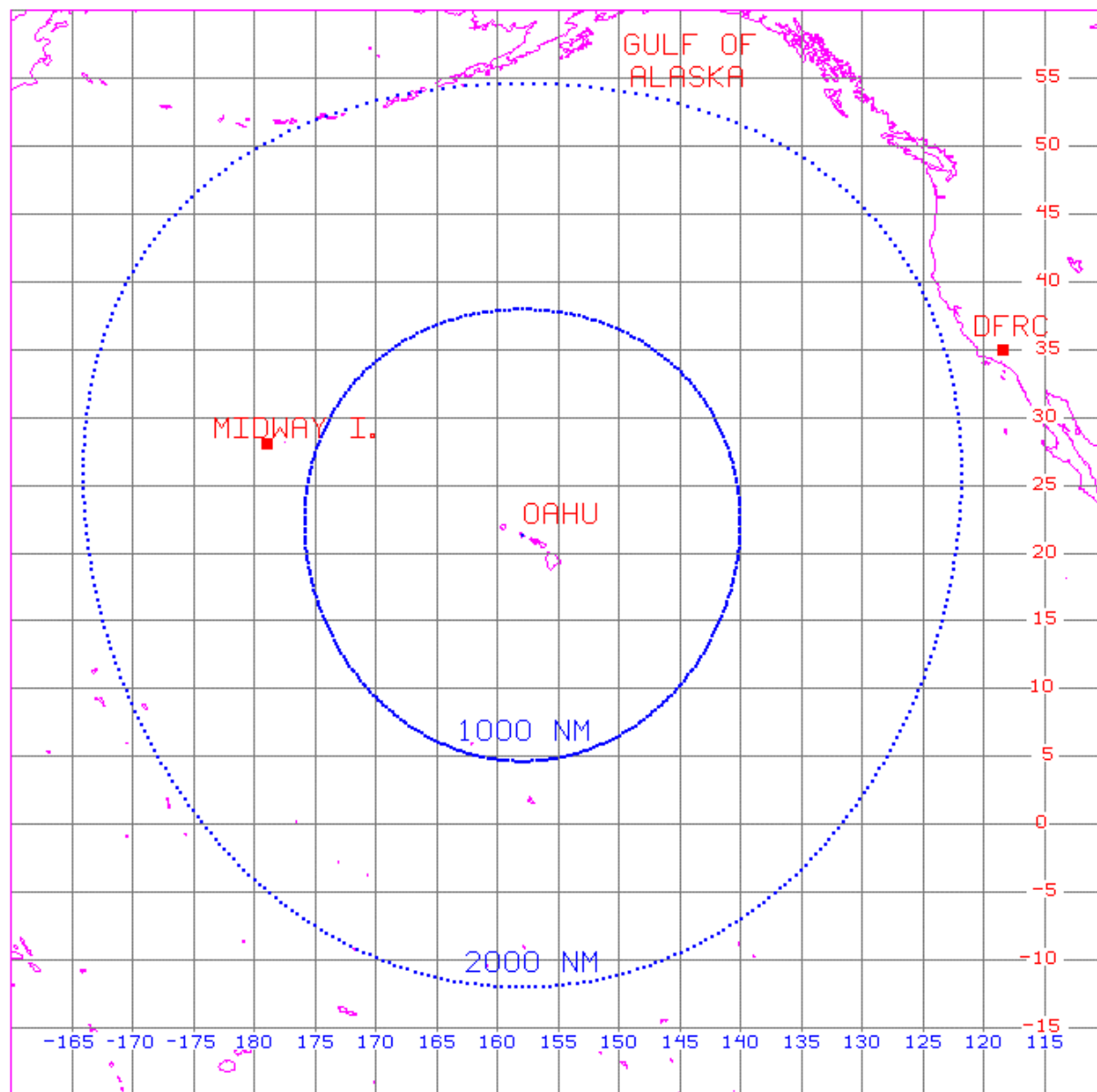


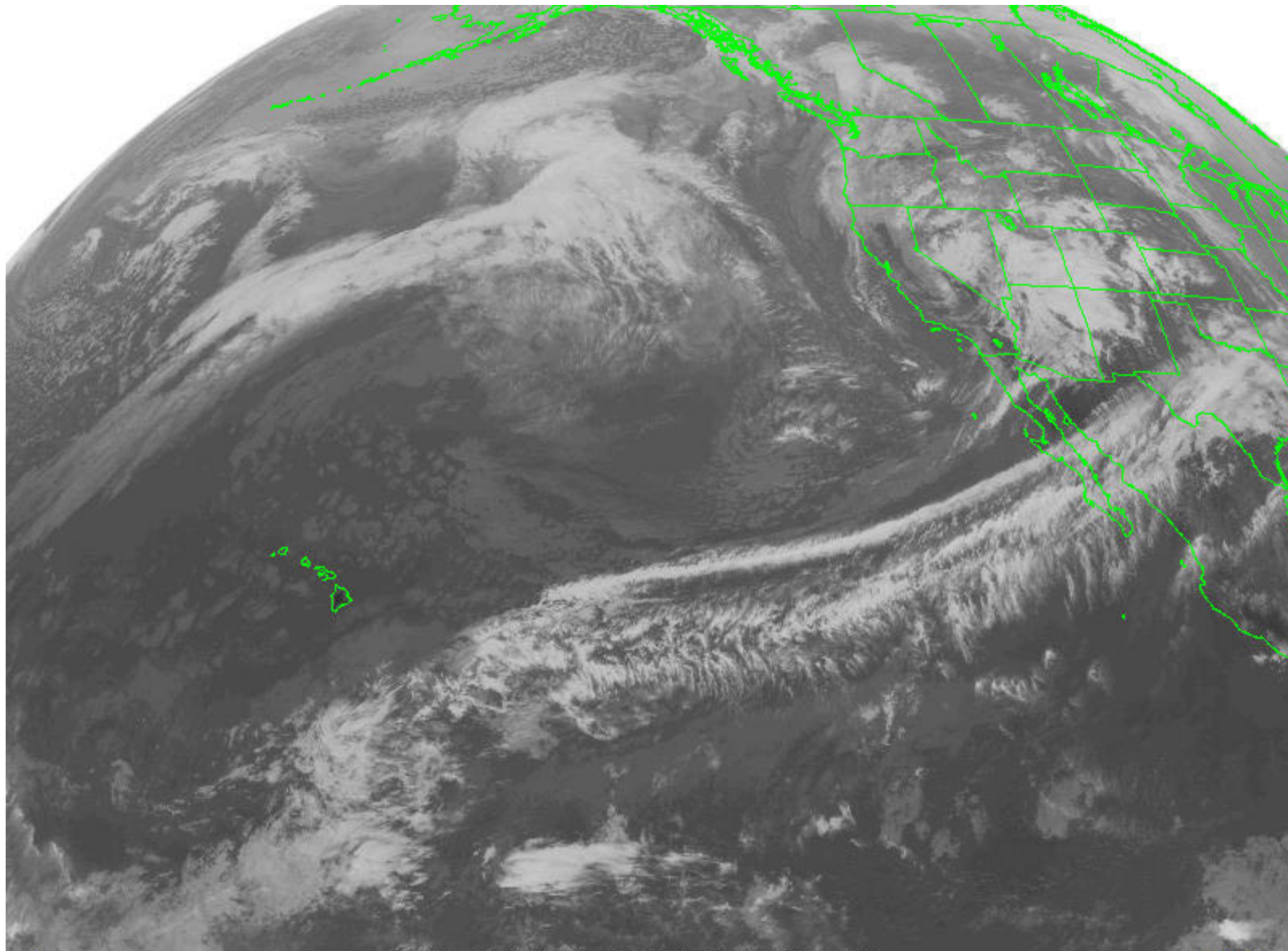
Strawman #2
ER-2 flight lines
for SGP Central
Facility mission
on Mar 22, 2001

Flight Sequence:
A-B-C-D-
E-F-G-H-
A-B-C-D-
E-F-G-H

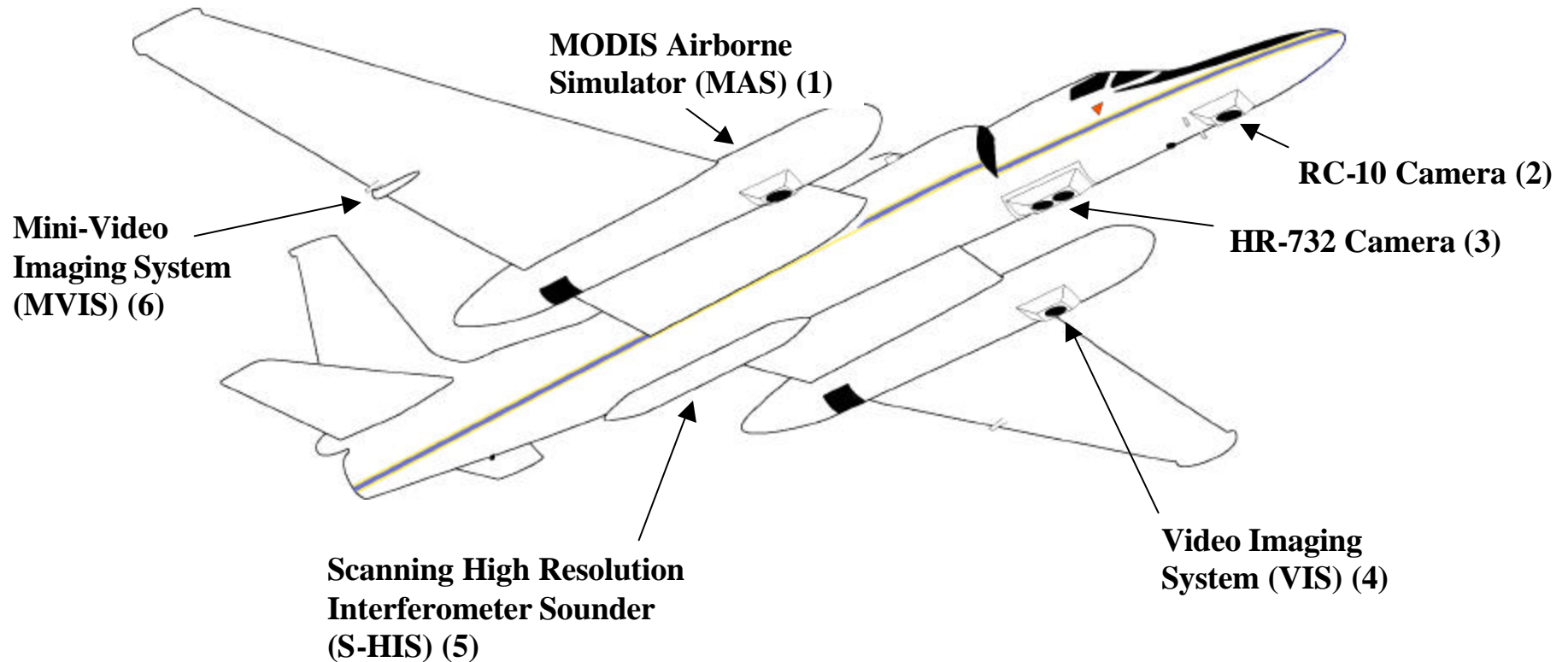


Hawaii-2003 ER-2 Flight Range.

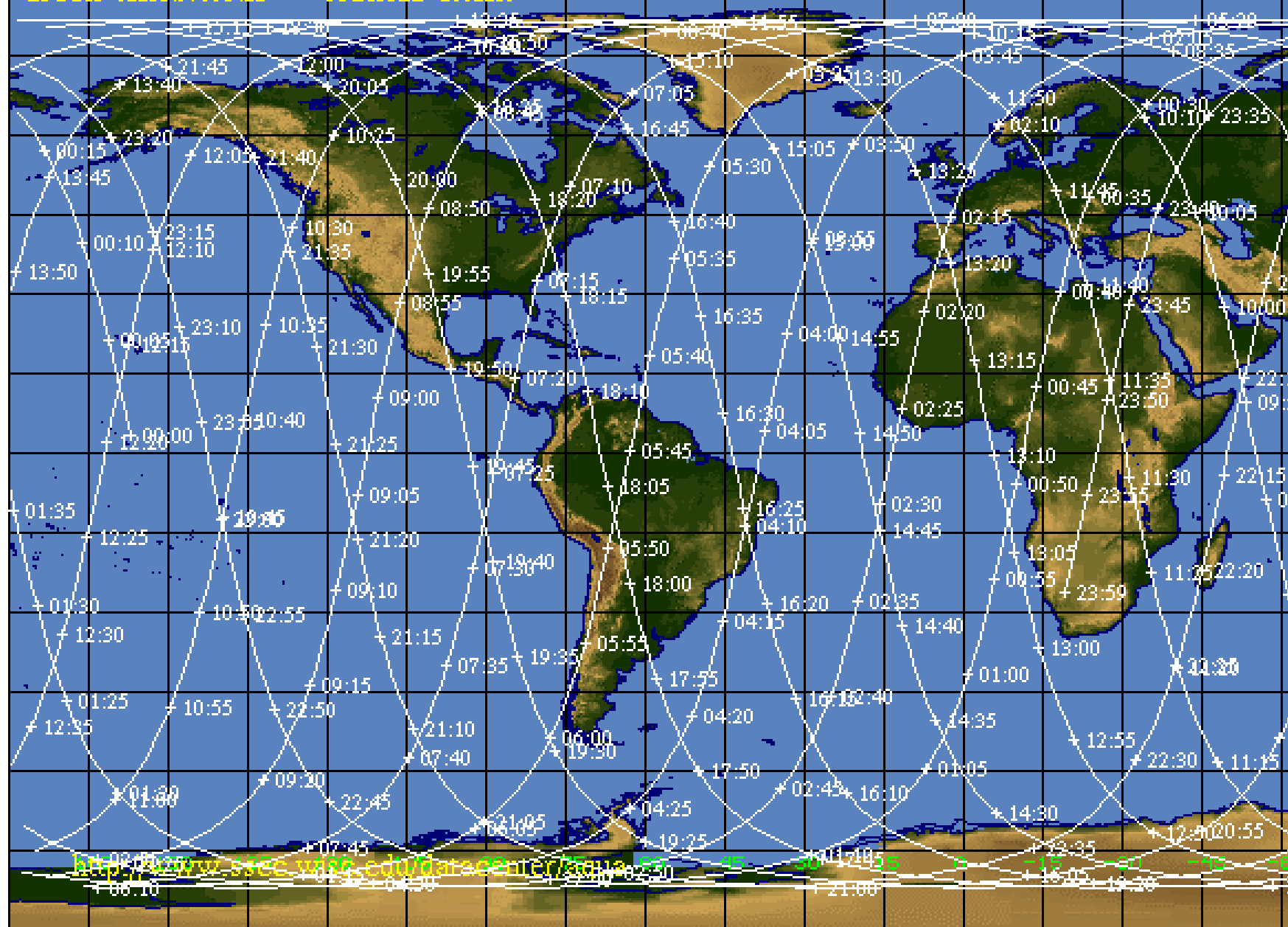




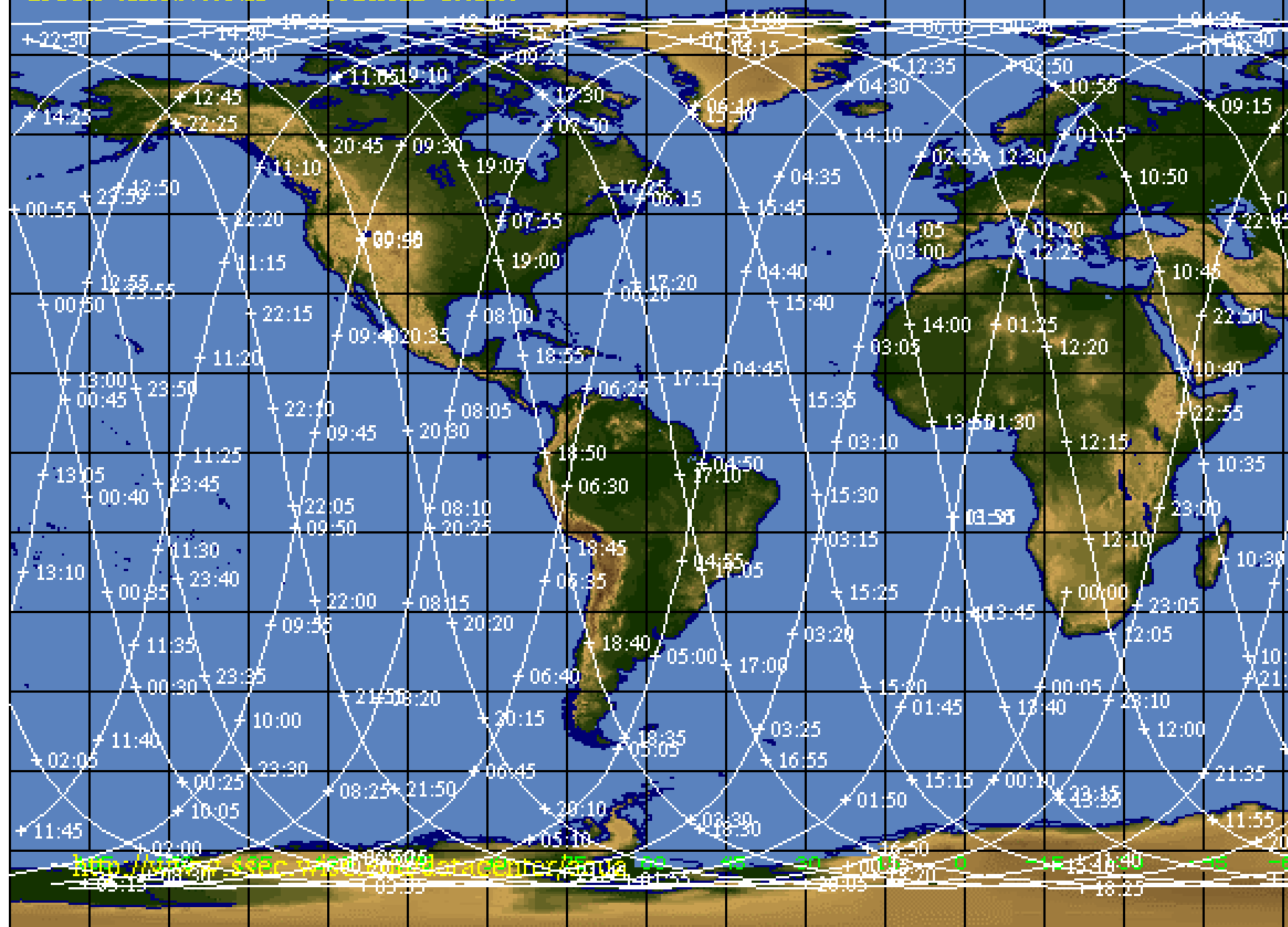
ER-2 Payload Positions (TX-2001 configuration)



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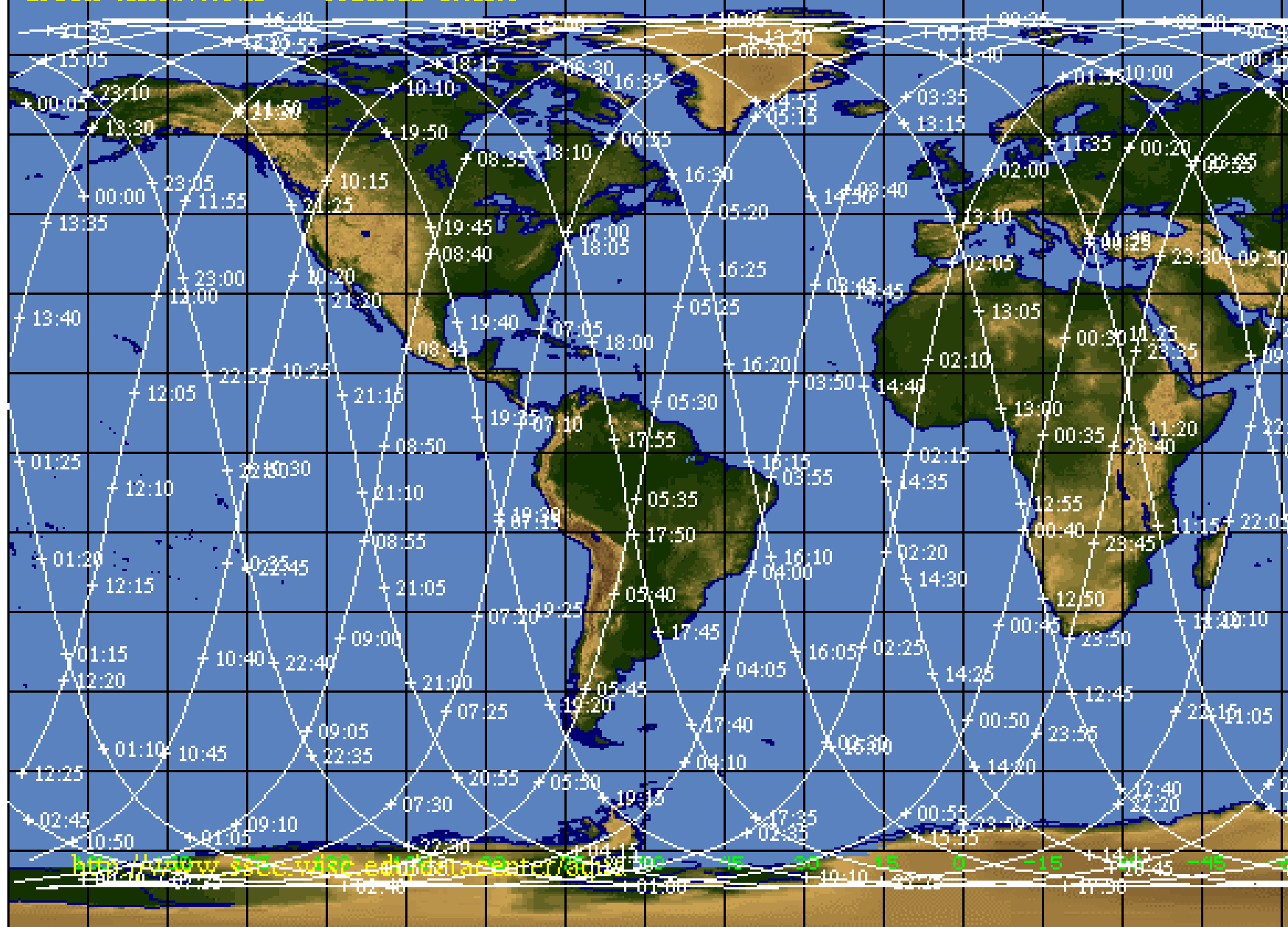


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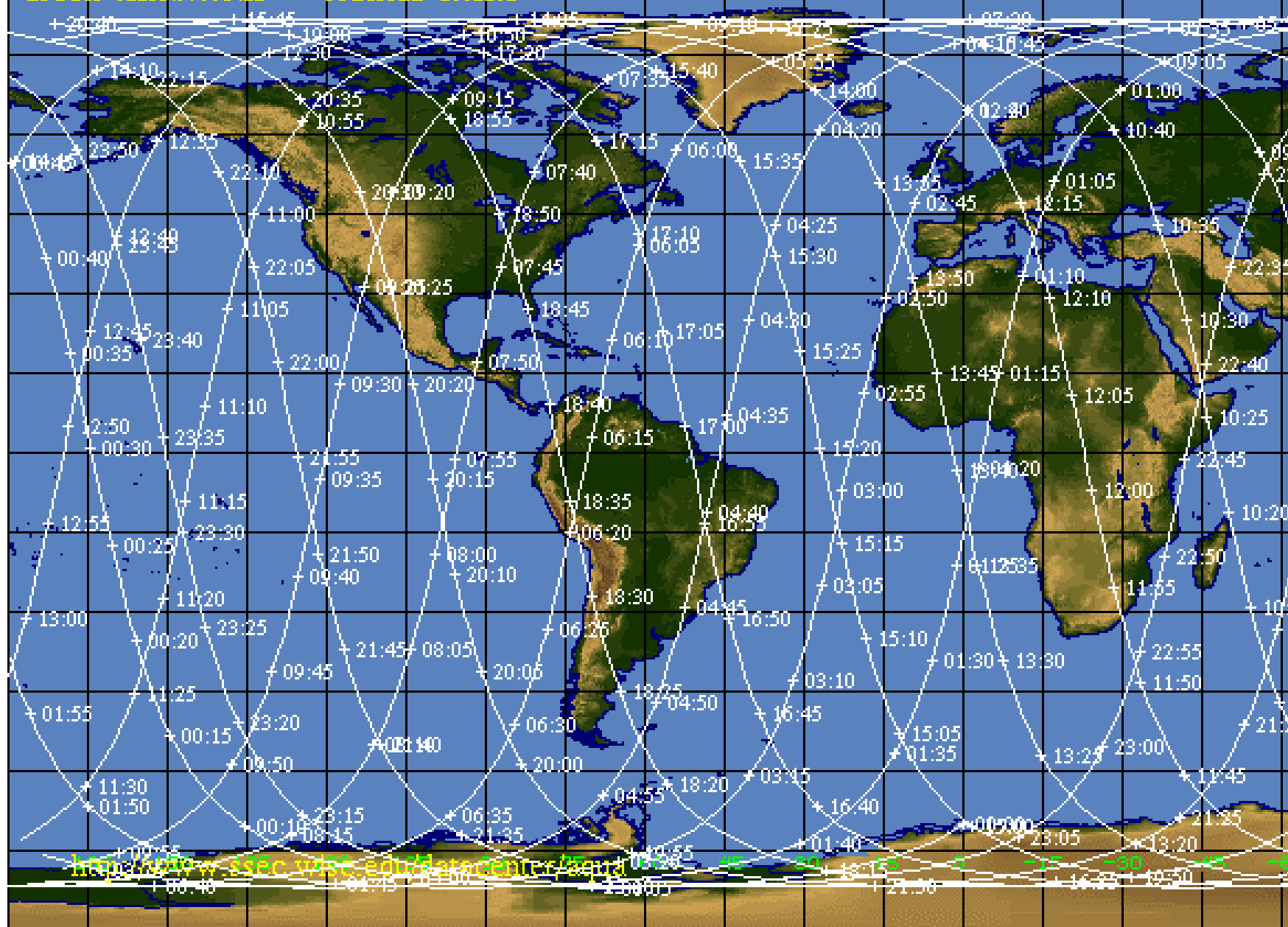


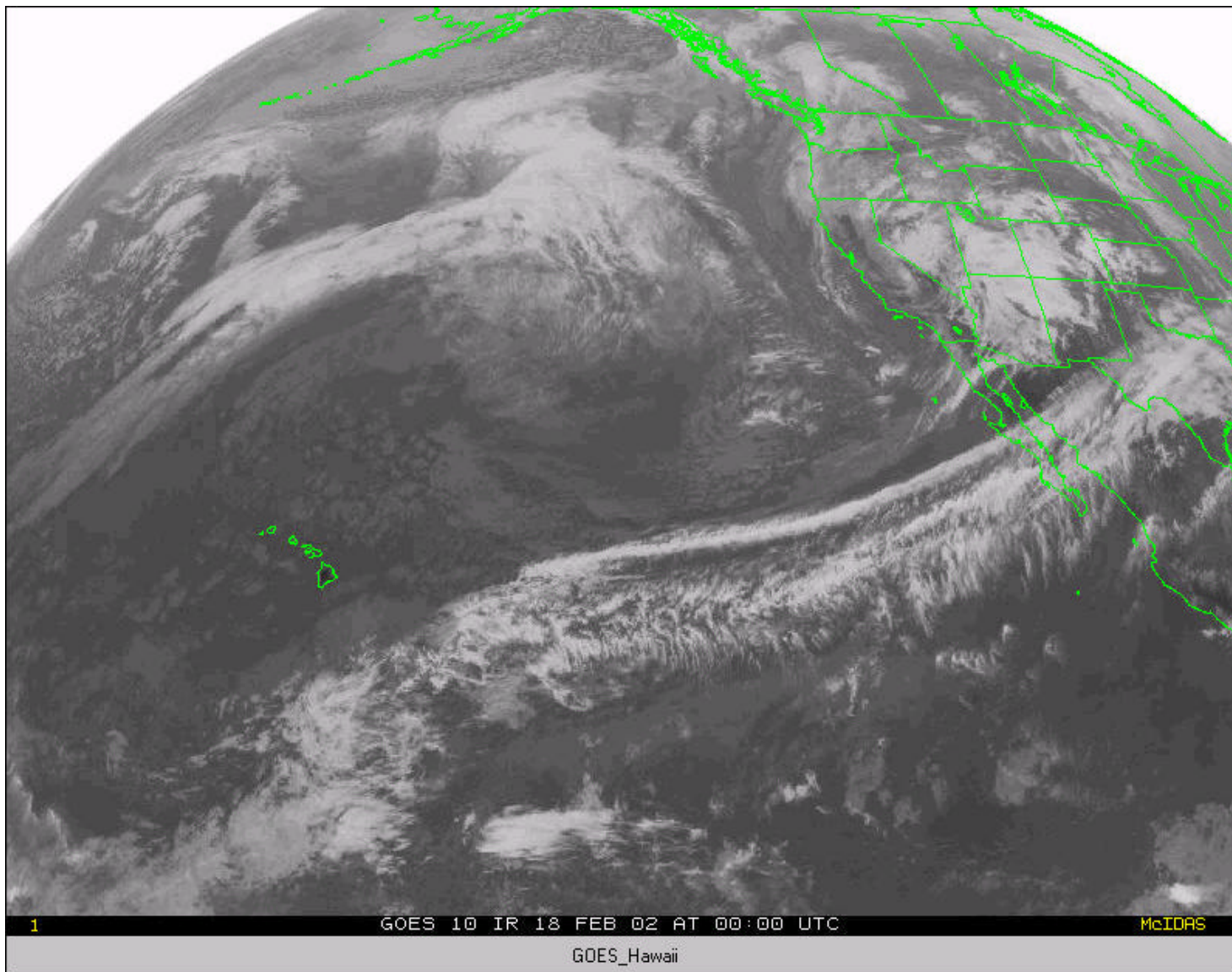
<http://www.ssec.smu.edu/aquacenter/aqua>

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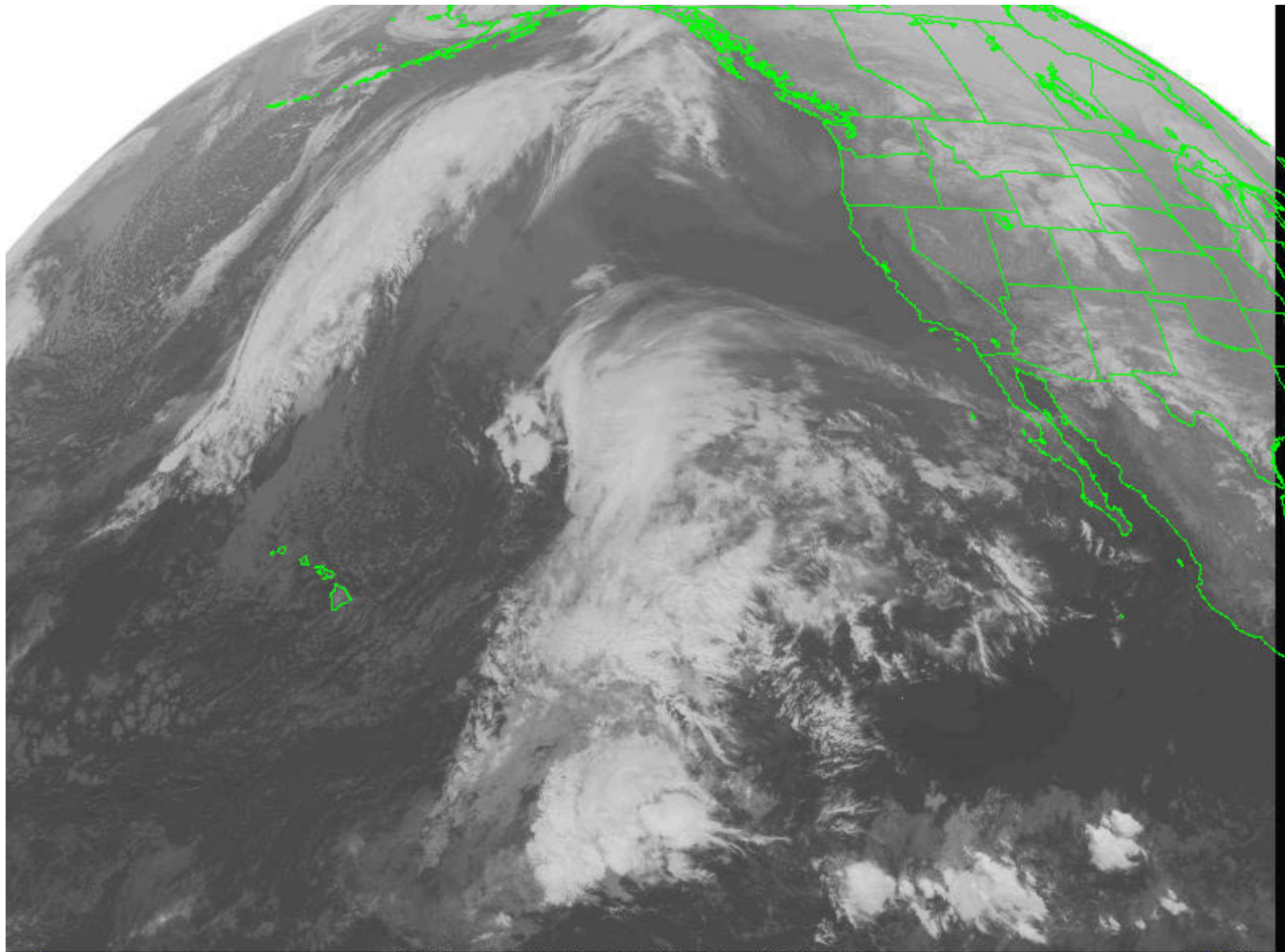


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